

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system for monitoring, reporting and diagnosing fault information of a vehicle on a ~~real-time~~ real-time basis both within the vehicle and outside of the vehicle, comprising:

a quick access recorder that records ~~the~~ fault information;

a portable hardware component that is removable from the vehicle and that is usable to diagnose ~~diagnoses~~ the fault information;

an onboard data communication network that communicates the fault information between the quick access recorder and the portable ~~hardware~~; hardware component; and

a data transmitting device for transmitting at least one of the fault information ~~and or the diagnosis of the fault information~~ in ~~real-time~~ real time between the vehicle location and ~~a~~ at least one remote receiver ~~in another~~ location.

2. (Currently Amended) The system according to claim 1, wherein the quick access recorder ~~further comprises recording~~ records the fault information from line replacement-replaceable units to determine ~~indication~~ indications of legitimate faults.

3. (Currently Amended) The system according to claim ~~3~~, 2, wherein the line ~~replacement-replaceable~~ units are removable from the vehicle for further ~~diagnostic~~ fault diagnoses.

4. (Currently Amended) The system according to claim 1, wherein the ~~removable~~, portable hardware component is an Electronic Flight Bag that hosts a suite of applications for ~~monitoring and~~ monitoring, reporting faults in the system, and diagnosing the fault information.

5. (Currently Amended) The system according to claim 4, wherein the suite of applications performs real-time monitoring and analysis of ~~data~~ the fault information received from the quick access recorder.

6. (Currently Amended) The system according to claim 5, wherein the suite of applications ~~utilizes the on-board data communications network to transmit~~ enables display of notification messages pertaining to the monitoring and analysis of the fault information ~~to a crew displayed on the Electronic Flight Bag.~~

7. (Currently Amended) The system according to claim 5, wherein the suite of applications ~~utilizes~~ enables transmission from the Electronic Flight Bag, via the air-ground data transmitting ~~device~~ device, to transmit of notification messages to at least one of maintenance personnel ~~and airline or a remote host computer systems on the ground system~~ as the at least one receiver in another location.

8. (Original) The system according to claim 1, wherein the onboard data communication network is a data bus that enables exchange of information other than fault information.

9. (Currently Amended) The system according to claim 1, wherein the data transmitting device is an air-ground ~~air-to-ground~~ transmitting device further comprising an air-ground antenna.

10. (Original) The system according to claim 1, wherein the vehicle is an aircraft.

11. (Currently Amended) A method for monitoring, reporting and diagnosing fault information of a vehicle on a real-time basis both within the vehicle and outside the vehicle, ~~the method comprising:~~

recording ~~the~~ fault information on a quick access recorder;

~~storing the fault information on a portable hardware, the portable hardware is~~
removable;

communicating the fault information recorded on the quick access recorder ~~and the~~ to a portable hardware component, which is removable from the vehicle, through an onboard data communication network; ~~and~~

storing the fault information on the portable hardware component;
diagnosing the fault information with the portable hardware component; and
transmitting at least one of the fault information or the diagnosis of the fault information in real-time real time between the vehicle location and ~~a~~ at least one receiver in another location by an air-ground data transmitting device location.

12. (Currently Amended) The method according to claim 11, ~~wherein the transmitting step utilizes the on board data communications network to transmit further comprising displaying the at least one of the fault information or the diagnosis of the fault information to a flight crew for displaying on the Electronic Flight Bag on the portable hardware component.~~

13. (Currently Amended) The method according to claim 11, wherein ~~the transmitting step utilizes further comprises employing an the~~ air-ground data transmitting device to transmit information to a maintenance personnel ~~on the ground.~~ as the at least one receiver in another location.

14. (Currently Amended) The method according to claim 11, further comprising ~~interfacing with a flight crew for in-flight initiating an immediate corrective action.~~ action based on the diagnosis of the fault information.

15. (Currently Amended) The method according to claim ~~11,~~ 13, further comprising notifying ~~the a maintenance personnel for of a need for later initiating a corrective action when the vehicle is grounded.~~ based on the diagnosis of the fault information.

16. (Currently Amended) The method according to claim 11, wherein the ~~removable,~~ portable hardware component is an Electronic Flight Bag, the Electronic Flight

Bag hosts a suite of applications for ~~monitoring~~ monitoring, and reporting and diagnosing ~~faults in the system.~~ the fault information.

17. (Currently Amended) The method according to claim 16, wherein the suite of applications performs real-time monitoring and analysis of ~~data~~ the fault information received from the quick access recorder.

18. (Currently Amended) The method according to claim ~~11~~, 13, further comprising connecting air-ground data transmitting device to at least one of an air-ground antenna ~~or on-board 802.11 or a ground communication antenna.~~ antenna for ground—ground ~~communications as appropriate~~

19. (Original) The method according to claim 11, wherein the vehicle is an aircraft.